

1 **Amendment to the Specification**

2 **In the Specification:**

3 Please amend the specification as follows:

4 *On Page 3 of the published application, paragraph 0023 should be replaced with the*
5 *following.*

6 Other embodiments of the present invention relate to integrated systems, which include the impact
7 collection surface as well. It is anticipated that the present invention will perform particularly effectively if
8 fluid-entrained particulates (most often airborne particulates) are efficiently collected and concentrated, a task
9 for which a virtual impactor, such as described in a commonly owned copending U.S. Patent Application Ser.
10 No. [[____]]10/066,404 (issued on May 3, 2005 as U.S. Patent No. 6,887,710) entitled "ROBUST
11 SYSTEM FOR SCREENING MAIL FOR BIOLOGICAL AGENTS." It is also particularly useful to
12 providing means for moving the collection surface relative to the concentrated stream of particulates over time,
13 so that spots located on different portions of the surface correspond to specific different increments of time.
14 Preferably, the individual spots are disposed sufficiently far apart such that each individual spot can be
15 removed and transferred to a suitable container without disturbing other spots.

16 *On Page 8 of the published application, paragraph 0098 should be replaced with the*
17 *following.*

18 FIG. 26 is a diagram of several components present in various embodiments of the present invention,
19 namely an impaction plate (2605) (205) with a collection surface on which a deposit (220) forms (2620), a
20 spotting nozzle (2610) (210), an analyzer comprising a fluorescence photosensor (2630) (230) and an
21 excitation light source (2640) (240) coupled by wires (2650) (250), a shaft (2660) (260) mounted to the
22 impaction plate (2605) (205) by a bracket (2670) (270) and a regenerator (2680) (280). Three collection
23 surfaces/spots (220) are drawn only for illustration; a single collection surface suffices in most embodiments;

24 *On Page 30 of the published application, paragraph 0316 should be replaced with the*
25 *following.*

26 In one embodiment the excitation light source (240) is positioned underneath a horizontal UV
27 transparent impact plate (205), and the emission sensor (fluorescence photosensor 230) is positioned
28 above the plate, as is the collection surface (see FIG. 2 FIG. 26). For example, the impaction plate
29 (205) may be shaped as a disk or may otherwise be planar. Accordingly, the impaction plate (205) has
30 a collection surface side, on which the spot (220) forms, and a side opposite to the collection surface

1 side, which may be called the interrogation side. In some embodiments, the impaction plate (205) is
2 made at least in part of a material substantially transparent to ultraviolet radiation. In these
3 embodiments the spot (220) is collected on a UV transparent collection surface. In these
4 embodiments, the impaction plate (205) allows components of UV-based detectors, such as an
5 excitation light source (240) and fluorescence photodetector (photosensor (230)), to be placed on the
6 two opposite sides of the impaction plate. Thus, the excitation light source (240) may be placed on the
7 interrogation side and the fluorescence photosensor (230) is placed on the collection surface side.

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